Chapter 13: Geometric Probability

Area of shapes
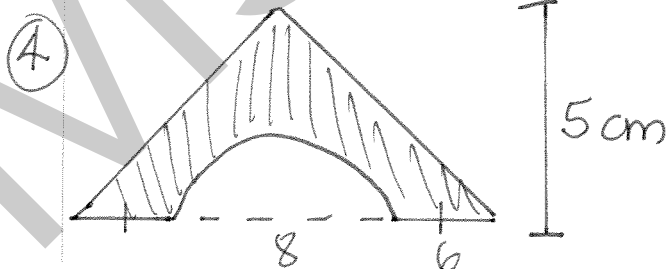

etc
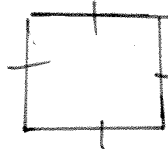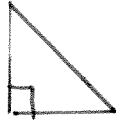
Find the area of the shaded region.

①

4

②

6

③

5

5

④

5 cm

8   6
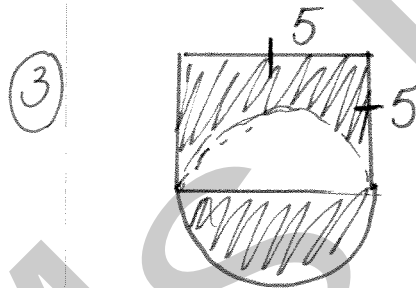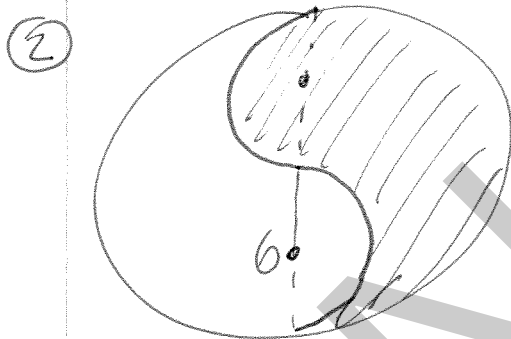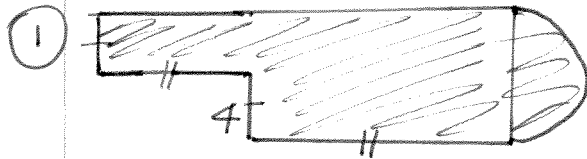
① Find the probability of choosing a side on the square.

$$\frac{\text{\# of sides}}{\text{total}}$$

② Find probability of choosing a point in the shaded region.
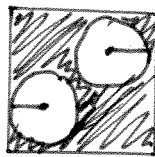
$$\frac{\text{\# of regions}}{\text{total}}$$

③ Find the probability that a dart reaches shaded area.
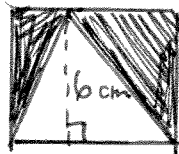
$$\frac{\text{degrees}}{360°}$$

④ Determine the probability of choosing a point in the shaded region.

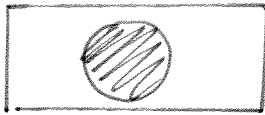Ⓐ $\dfrac{\text{area black region}}{\text{total area}}$

30 cm

Ⓑ

16 cm

5 cm

⑤ Find the probability that the cursor will land on the shaded area.
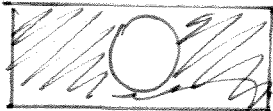
15   7   10   13   20

Write the formula for finding
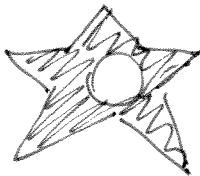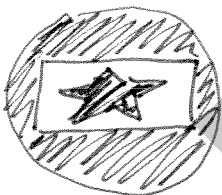the Probability that a dart
reaches the shaded area.

A)

B)

C)

D)

E)

F)

G)

H)